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ENG-18-002

05 JAN 1959

Chief, Procurement Division, OL
ATTN : Contract Administration Branch

Chief, Engineering Staff, OC

Please Return To
Engineering Staff

(Contract XG-558 w/ [redacted])

1. Under the subject retainer contract, [redacted]
[redacted], has been asked to devise a modification for
the HT-4 Transmitter to extend its upper frequency limit from
18 mc to 30 mc. The contractor has satisfactorily completed the
design phase of this project and is now preparing a final report.

2. In order to insure that this report includes the results
of recent tests by this Staff, it is requested that the following
summary of our evaluation be forwarded to the contractor:

"Tests of the two units furnished for our examination revealed
that the modification devised by the contractor will
satisfactorily extend the upper limit of the HT-4 transmitter
from 18 to 30 mc. The excitation provided by the units
tested resulted in a p.a. grid drive in excess of 60
milliamperes, and satisfactory output was obtained regardless
of the level of crystal activity."

3. The contractor has been verbally notified of these test
results.

OC-E/R+D-EP/WJS:bc (31 December 1958)

cc: R+D Subject File

SEB, [redacted]

OC-E

R+D Chrono

EP Chrono

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|------------|-----|----------|-------------|-----------|---------|
| DOC | 20 | REV DATE | 18 MAR 1980 | BY | 064540 |
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SUBJECT: (Optional)

FROM:

SEB

NO.

Seh 8-087

DATE

23 December 1958

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1.

R&D

12/23

Copy pulled/mcc.

2.

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USE PREVIOUS EDITIONS

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STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Research and Development Branch, OC-E

DATE: 23 December 1958

FROM : Chief, Systems Engineering Branch, OC-E

Sub 8-087

SUBJECT: Modification to HT-4 Transmitter to Extend Their
Range to 30 MC. (Contract XG-558)

1. The two modified tuning units, TU-55 and TU-56 that were supplied to us by [] were tested over the extended range of 18 to 30 megacycles. These were found to have exceeded the minimum of 60 milliamps grid drive as required in this project. These were also found to be independent of the activity of crystal used.

25X1

2. It is requested that the Contractor be advised of this as soon as possible.

3. If further information is needed, contact []
Room 2714 Alcott Hall, []

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*P.S. In other words, the
work on the tuning units is
OK.*

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